

Title (en)

METHOD FOR INDIRECT TYRE PRESSURE MONITORING

Title (de)

VERFAHREN ZUR INDIREKTEN REIFENDRUCKÜBERWACHUNG

Title (fr)

PROCEDE DE SURVEILLANCE INDIRECTE DE LA PRESSION DE PNEUS

Publication

EP 1711355 B1 20081015 (DE)

Application

EP 05707921 A 20050202

Priority

- EP 2005050450 W 20050202
- DE 102004005173 A 20040202

Abstract (en)

[origin: WO2005072995A1] The invention relates to a method for indirect tyre pressure monitoring, comprising the following steps: learning of test variables (DIAG, SIDE, AXLE) describing the rotational movement of the wheels, the rolling circumference differences (Delta DIAG, Delta SIDE, DeltaAXLE) are determined from actually determined test variables and the learnt test variables, at least one torsion natural frequency f_p for at least one tyre from the oscillation behaviour of the individual tyres is learnt, at least one displacement of the torsion natural frequency $< f_p$ from at least one actually determined torsion natural frequency and from the at least one learnt torsion natural frequency is determined, and the roll circumference differences (DeltaDIAG, DeltaSIDE, DeltaAXLE) are combined with the at least one displacement of the torsion natural frequency f_p in a common warning strategy in order to recognise and indicate a loss in tyre air pressure. The invention further relates to a computer program product corresponding to the above-mentioned method.

IPC 8 full level

B60C 23/06 (2006.01)

CPC (source: EP)

B60C 23/061 (2013.01); **B60C 23/062** (2013.01)

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

WO 2005072995 A1 20050811; DE 102005004910 A1 20050901; DE 502005005687 D1 20081127; EP 1711355 A1 20061018; EP 1711355 B1 20081015

DOCDB simple family (application)

EP 2005050450 W 20050202; DE 102005004910 A 20050202; DE 502005005687 T 20050202; EP 05707921 A 20050202